

### **Field Note Record**

Contract No.	Station	Mile/Line:		C/S	C/S		
C-9385	LW480+21to 523+28	LW					
Staked by	Date	Work Started Date		Work Completed Date			
N/A		10/7/2019					
Calculated by	y Date	Checked by	Date	Inspector	Date		
Calculated by Tony Madison	/ Date	Checked by  Mark Lee	Date	Inspector Tony Madison	<b>Date</b> 8/11/20		

# Bid Item 044 TIE BAR WITH DRILL HOLE

Group #1

Each (EACH) Estimate # 21

\$/Unit: \$18.00 - Round to nearest Tenth

Date, Station and Quantity

**Drilled Holes for Tie Bars** 

08/11/2020

Drilled holes LW 480+21 to LW 499+35.....1,914 LF.....700 holes

700.0

DAYS TOTAL = 700.0

**Holes Drilled** 

08/12/2020

Drilled holes LW 499+35 to LW 519+22.....1,987 LF.....732 holes

732.0

**DAYS TOTAL = 732.0** 

**Holes Drilled** 

08/13/2020

Drilled holes LW 519+22 to LW 523+28......406 LF.....153 holes

153.0

DAYS TOTAL = 153.0

**Holes Drilled** 

**Total Holes Drilled = 1585.0 Holes** 

Tie Bar Installation

08/18/2020

Tie Bars Installed LW 480+21 to LW 505+30

DAYS TOTAL = 928.0 Tie Bars Installed

#### 08/19/2020

Tie Bars Installed LW 505+30 to LW 518+64

DAYS TOTAL = 510.0 Tie Bars Installed

#### 08/21/2020

Tie Bars Installed LW 518+64 to LW 523+28

DAYS TOTAL = 147.0 Tie Bars Installed

Total Tie Bars Installed = 928.0 + 510.0 + 147.0 = 1,585.0 Bars

#### **Epoxy used for Tie Bar Installation**

#### 08/18/2020

Epoxy Used = Gals.

1,585 holes

3/4 inch diam. by 15 inches deep = 6.63 cubic inches/hole x 1,585 = 10,508.55 Cubic Inches 5/8 inch diam. rebars @ 15 inches = 4.60 cubic inches/inserted rod x 1,585 = 7,291.00 Cubic Inches Void = 10,508.55 CI -7,291.00 CI = 3,217.55 CI x 1.025 added voids due to drill = 3,297.98 CI 1 Gallon = 231 Cubic Inches 3,297.98 CI x 1 Gal. / 231 CI = 14.25 Gals.

## **Total Epoxy Used = 14.25 Gallons**

## OK TO PAY 1585.0 EACH GROUP 01

Hole and Bars were visually inspected and counted by Tony Madison. Epoxy application and bar installation inspected by Tony Madison

Item Num	Material Brand Name/Model Type	Manufacturer	Brand Name/Model Type	RAMS/QPL Ref. No.	Appr/Acc Code	Basis of Accept
044.01	Tie Bars for PCCP	Jc Supply & Manufacturing	Epoxy Coated Tire Bars	QPL-0015	/	Manufacturer's Certification of Compliance with Certified Mill Test Reports each shipment
		Adhesived Technology	Ultra Bond 1	QPL-0014		

044.01.01 Epoxy Bonding Agent Type							/ Satisfactory test rep from State Materials Laboratory				
Item Num	Item Description	Grp	Date Work Complete	Unit	Quantity	Ledger Entry No.	Po: Init.	sted By Date	Chec	cked By Date	Est. No.
0044	TIE BAR WITH DRILL HOLE	01	8/31/2020	EAC H	1585.0	474	MEL	09/15/20			21

#### **Attachments**

File Attachment

DOT Form IP 422-635ER EF Revised 4/2009